

Flood Control Project Maintenance
2008 Structure Summary Report
Overall Unit and Item Ratings

Lower San Joaquin Levee District

Ash Slough Drop Structure No. 1

Overall Unit Rating	Rated Item	Item Rating
A	Vegetation & Obstructions	A
	Encroachments	A
	Revetments	A
	Erosion Areas	M
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Monolith Joints	A

Ash Slough Drop Structure No. 2

Overall Unit Rating	Rated Item	Item Rating
A	Vegetation & Obstructions	A
	Encroachments	A
	Revetments	A
	Erosion Areas	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Monolith Joints	A

Ash Slough Drop Structure No. 3

Overall Unit Rating	Rated Item	Item Rating
A	Vegetation & Obstructions	A
	Encroachments	A
	Revetments	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Monolith Joints	A

Ash Slough Drop Structure No. 4

Overall Unit Rating	Rated Item	Item Rating
A	Vegetation & Obstructions	A
	Encroachments	M
	Revetments	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Monolith Joints	A

Bear Creek Diversion Structure

Overall Unit Rating	Rated Item	Item Rating
A	Vegetation & Obstructions	A
	Encroachments	A
	Revetments	A
	Electric Gate Operators	A
	Concrete Surfaces	M
	Concrete Foundations	A
	Monolith Joints	A

Flood Control Project Maintenance
2008 Structure Summary Report
Overall Unit and Item Ratings

Lower San Joaquin Levee District (cont.)

Eastside Bypass Control Structure

Overall Unit Rating	Rated Item	Item Rating
A	Encroachments	A
	Revetments	A
	Sluice/Slide Gates	A
	Electric Gate Operators	A
	Concrete Surfaces	A
	Concrete Foundations	A
	Other Metallic Items	A
	Monolith Joints	A

Eastside Bypass Drop Structure No. 1

Overall Unit Rating	Rated Item	Item Rating
A	Vegetation & Obstructions	A
	Encroachments	A
	Revetments	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Monolith Joints	A

Eastside Bypass Drop Structure No. 2

Overall Unit Rating	Rated Item	Item Rating
A	Vegetation & Obstructions	A
	Encroachments	A
	Revetments	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Monolith Joints	A

Fresno River Drainage Structure

Overall Unit Rating	Rated Item	Item Rating
A	Vegetation & Obstructions	M
	Encroachments	A
	Revetments	A
	Culverts: Inlets / Outlets	A
	Flap Gates	A
	Manual Operations	M
	Concrete Foundations	A

Mariposa Bypass Control Structure

Overall Unit Rating	Rated Item	Item Rating
A	Vegetation & Obstructions	A
	Revetments	M
	Electric Gate Operators	A
	Concrete Surfaces	A
	Concrete Foundations	A
	Closure Structures	A
	Other Metallic Items	A
	Monolith Joints	A

Flood Control Project Maintenance
2008 Structure Summary Report
Overall Unit and Item Ratings

Lower San Joaquin Levee District (cont.)

Mariposa Bypass Drop Structure

Overall Unit Rating	Rated Item	Item Rating
A	Vegetation & Obstructions	A
	Encroachments	A
	Concrete Surfaces	A
	Concrete Foundations	A
	Monolith Joints	A

Owens Creek Control Structure

Overall Unit Rating	Rated Item	Item Rating
A	Vegetation & Obstructions	A
	Encroachments	A
	Concrete Surfaces	U
	Concrete Foundations	A
	Closure Structures	A

Owens Creek Overflow Structure

Overall Unit Rating	Rated Item	Item Rating
A	Vegetation & Obstructions	A
	Revetments	M
	Culverts: Inlets / Outlets	A
	Concrete Surfaces	A
	Concrete Foundations	A

San Joaquin River And Chowchilla Canal Bypass Control Structure

Overall Unit Rating	Rated Item	Item Rating
A	Vegetation & Obstructions	A
	Encroachments	A
	Revetments	A
	Sluice/Slide Gates	A
	Electric Gate Operators	A
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Monolith Joints	A

San Joaquin River Structure And Sand Slough Structure

Overall Unit Rating	Rated Item	Item Rating
A	Vegetation & Obstructions	M
	Encroachments	A
	Revetments	A
	Manual Operations	A
	Concrete Surfaces	A
	Concrete Foundations	A

Flood Control Project Maintenance

Unit Cover Sheet

2008 Structure Inspection Results

Lower San Joaquin Levee District

Structure
Ash Slough Drop Structure No. 1

Date of Inspection	8/19/2008
DWR Inspector	Richard Willoughby
Structure Rating	A

Flood Control Project Maintenance

Inspection Report - Structure 2008

Lower San Joaquin Levee District

Structure	Inspection Date	Inspector
Ash Slough Drop Structure No. 1	08/19/2008	Richard Willoughby

Rpt Line	Category	Item	Location *	Rating **	Comment	GPS	Photo	Issue
1	Structures & Concrete Lined Channels	Vegetation & Obstructions		A			°	5
2	Structures & Concrete Lined Channels	Encroachments		A			°	4
3	Structures & Concrete Lined Channels	Revetments		A			°	3
4	Structures & Concrete Lined Channels	Erosion Areas		M	Repair erosion at left wing wall		°	6
5	Structures & Concrete Lined Channels	Concrete Tilting / Settlement		A			°	2
6	Structures & Concrete Lined Channels	Concrete Foundations		A		37.033979 ° -120.442008 °	Y	1
7	Structures & Concrete Lined Channels	Monolith Joints		A			°	7

* Location

LS : Land Side
WS : Water Side
CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected
C : Corrected

Flood Control Project Maintenance
Inspection Report - Structure 2008

Lower San Joaquin Levee District

Structure	Inspection Date	Inspector
Ash Slough Drop Structure No. 1	08/19/2008	Richard Willoughby

Report Line	4
Location	
Category	Structures & Concrete Lined Channels
Item	Erosion Areas

Looking at minor erosion on the left wing wall



Report Line	6
Location	
Category	Structures & Concrete Lined Channels
Item	Concrete Foundations

Looking at the downstream side of the structure



*** Location**

LS : Land Side
 WS : Water Side
 CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing C : Corrected
 M : Minimally Acceptable CO : Completely Obstructing
 U : Unacceptable N : Not Inspected

Flood Control Project Maintenance

Unit Cover Sheet

2008 Structure Inspection Results

Lower San Joaquin Levee District

Structure
Ash Slough Drop Structure No. 2

Date of Inspection	8/19/2008
DWR Inspector	Richard Willoughby
Structure Rating	A

Flood Control Project Maintenance

Inspection Report - Structure 2008

Lower San Joaquin Levee District

Structure	Inspection Date	Inspector
Ash Slough Drop Structure No. 2	08/19/2008	Richard Willoughby

Rpt Line	Category	Item	Location *	Rating **	Comment	GPS	Photo	Issue
1	Structures & Concrete Lined Channels	Vegetation & Obstructions		A			°	5
2	Structures & Concrete Lined Channels	Encroachments		A			°	4
3	Structures & Concrete Lined Channels	Revetments		A			°	3
4	Structures & Concrete Lined Channels	Erosion Areas		A			°	6
5	Structures & Concrete Lined Channels	Concrete Tilting / Settlement		A			°	2
6	Structures & Concrete Lined Channels	Concrete Foundations		A		37.037882 ° -120.440365 °	Y	1
7	Structures & Concrete Lined Channels	Monolith Joints		A			°	7

* Location

LS : Land Side
WS : Water Side
CR : Crown

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Flood Control Project Maintenance
Inspection Report - Structure 2008

Lower San Joaquin Levee District

Structure	Inspection Date	Inspector
Ash Slough Drop Structure No. 2	08/19/2008	Richard Willoughby

Report Line	6
Location	
Category	Structures & Concrete Lined Channels
Item	Concrete Foundations

Looking at downstream side of the structure.



Report Line	6
Location	
Category	Structures & Concrete Lined Channels
Item	Concrete Foundations

Looking at dwnstream side of the structure.



*** Location**

LS : Land Side
 WS : Water Side
 CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing C : Corrected
 M : Minimally Acceptable CO : Completely Obstructing
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Flood Control Project Maintenance

Unit Cover Sheet

2008 Structure Inspection Results

Lower San Joaquin Levee District

Structure
Ash Slough Drop Structure No. 3

Date of Inspection	8/19/2008
DWR Inspector	Richard Willoughby
Structure Rating	A

Flood Control Project Maintenance

Inspection Report - Structure 2008

Lower San Joaquin Levee District

Structure	Inspection Date	Inspector
Ash Slough Drop Structure No. 3	08/19/2008	Richard Willoughby

Rpt Line	Category	Item	Location *	Rating **	Comment	GPS	Photo	Issue
1	Structures & Concrete Lined Channels	Vegetation & Obstructions		A			°	5
2	Structures & Concrete Lined Channels	Encroachments		A			°	4
3	Structures & Concrete Lined Channels	Revetments		A			°	3
4	Structures & Concrete Lined Channels	Concrete Tilting / Settlement		A			°	2
5	Structures & Concrete Lined Channels	Concrete Foundations		A		37.042928 ° -120.436563 °	Y	1
6	Structures & Concrete Lined Channels	Monolith Joints		A			°	6

* Location

LS : Land Side
WS : Water Side
CR : Crown

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CO : Completely Obstructing
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Flood Control Project Maintenance
Inspection Report - Structure 2008

Lower San Joaquin Levee District

Structure	Inspection Date	Inspector
Ash Slough Drop Structure No. 3	08/19/2008	Richard Willoughby

Report Line	5
Location	
Category	Structures & Concrete Lined Channels
Item	Concrete Foundations

Looking at downstream side of the structure.



Report Line	5
Location	
Category	Structures & Concrete Lined Channels
Item	Concrete Foundations

Looking at upstream side of the structure



*** Location**

LS : Land Side
 WS : Water Side
 CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing C : Corrected
 M : Minimally Acceptable CO : Completely Obstructing
 U : Unacceptable N : Not Inspected

Flood Control Project Maintenance

Unit Cover Sheet

2008 Structure Inspection Results

Lower San Joaquin Levee District

Structure
Ash Slough Drop Structure No. 4

Date of Inspection	8/19/2008
DWR Inspector	Richard Willoughby
Structure Rating	A

Flood Control Project Maintenance

Inspection Report - Structure 2008

Lower San Joaquin Levee District

Structure	Inspection Date	Inspector
Ash Slough Drop Structure No. 4	08/19/2008	Richard Willoughby

Rpt Line	Category	Item	Location *	Rating **	Comment	GPS	Photo	Issue
1	Structures & Concrete Lined Channels	Vegetation & Obstructions		A			°	5
2	Structures & Concrete Lined Channels	Encroachments		M	Non-permitted seasonal sand dam on the upstream side is for irrigation purpose and can be easily breached or washed out in the event of high water. Landowner should apply for an permit to maintain dam structure		° Y	4
3	Structures & Concrete Lined Channels	Revetments		A			°	3
4	Structures & Concrete Lined Channels	Concrete Tilting / Settlement		A			°	2
5	Structures & Concrete Lined Channels	Concrete Foundations		A		37.045667 ° -120.430103 °	° Y	1
6	Structures & Concrete Lined Channels	Monolith Joints		A			°	6

* Location

LS : Land Side
WS : Water Side
CR : Crown

** Rating

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PO : Partially Obstructing
CO : Completely Obstructing
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Flood Control Project Maintenance
Inspection Report - Structure 2008

Lower San Joaquin Levee District

Structure	Inspection Date	Inspector
Ash Slough Drop Structure No. 4	08/19/2008	Richard Willoughby

Report Line	2
Location	
Category	Structures & Concrete Lined Channels
Item	Encroachments

Looking at seasonal sand dam on the upstream side of the structure



Report Line	5
Location	
Category	Structures & Concrete Lined Channels
Item	Concrete Foundations

Looking at the downstream side of the structure



*** Location**

LS : Land Side
 WS : Water Side
 CR : Crown

**** Rating**

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 M : Minimally Acceptable CO : Completely Obstructing
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Flood Control Project Maintenance

Unit Cover Sheet

2008 Structure Inspection Results

Lower San Joaquin Levee District

Structure
Bear Creek Diversion Structure

Date of Inspection	8/18/2008
DWR Inspector	Richard Willoughby
Structure Rating	A

Flood Control Project Maintenance

Inspection Report - Structure 2008

Lower San Joaquin Levee District

Structure	Inspection Date	Inspector
Bear Creek Diversion Structure	08/18/2008	Richard Willoughby

Rpt Line	Category	Item	Location *	Rating **	Comment	GPS	Photo	Issue
1	Structures & Concrete Lined Channels	Vegetation & Obstructions		A	Vegetation on downstream side north end of structure. Control wild growth.		° Y	2
2	Structures & Concrete Lined Channels	Encroachments		A			°	6
3	Structures & Concrete Lined Channels	Revetments		A			°	4
4	Structures & Concrete Lined Channels	Electric Gate Operators		A	A new electric gate added by Stevenson Water Irrigation District to release water to wildlife reserve. This gate was add without the permission of the CVFPB.		° Y	5
5	Structures & Concrete Lined Channels	Concrete Surfaces		M	Minor cracking on downstream side on the north wing wall. Monitor and repair the cracks in the abutments as needed.		° Y	3
6	Structures & Concrete Lined Channels	Concrete Foundations		A		37.254956 ° -120.718385 °	° Y	1
7	Structures & Concrete Lined Channels	Monolith Joints		A			°	7

* Location

LS : Land Side
WS : Water Side
CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
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CO : Completely Obstructing
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Flood Control Project Maintenance Inspection Report - Structure 2008

Lower San Joaquin Levee District

Structure	Inspection Date	Inspector
Bear Creek Diversion Structure	08/18/2008	Richard Willoughby

Report Line	1
Location	
Category	Structures & Concrete Lined Channels
Item	Vegetation & Obstructions

Control vegetation on downstream side of structure.



Report Line	4
Location	
Category	Structures & Concrete Lined Channels
Item	Electric Gate Operators

A Automatic Tide Flow Gate on upstream side of the structure



Report Line	5
Location	
Category	Structures & Concrete Lined Channels
Item	Concrete Surfaces

Crack on the downstream north wing wall.



* Location

LS : Land Side
WS : Water Side
CR : Crown

** Rating

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CO : Completely Obstructing
N : Not Inspected

C : Corrected

Flood Control Project Maintenance
Inspection Report - Structure 2008

Lower San Joaquin Levee District

Structure	Inspection Date	Inspector
Bear Creek Diversion Structure	08/18/2008	Richard Willoughby

Report Line	6
Location	
Category	Structures & Concrete Lined Channels
Item	Concrete Foundations

Looking at the downstream side of the structure.



Report Line	6
Location	
Category	Structures & Concrete Lined Channels
Item	Concrete Foundations

Looking at the automatic tide flow gate on the upstream side of the structure



*** Location**

LS : Land Side
 WS : Water Side
 CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing C : Corrected
 M : Minimally Acceptable CO : Completely Obstructing
 U : Unacceptable N : Not Inspected

Flood Control Project Maintenance

Unit Cover Sheet

2008 Structure Inspection Results

Lower San Joaquin Levee District

Structure
Eastside Bypass Control Structure

Date of Inspection	8/19/2008
DWR Inspector	Richard Willoughby
Structure Rating	A

Flood Control Project Maintenance
Inspection Report - Structure 2008

Lower San Joaquin Levee District

Structure	Inspection Date	Inspector
Eastside Bypass Control Structure	08/19/2008	Richard Willoughby

Rpt Line	Category	Item	Location *	Rating **	Comment	GPS	Photo	Issue
1	Pump Stations	Plant Building					°	8
2	Pump Stations	Motors, Engines, Fans & Gear Reducers					° Y	9
3	Structures & Concrete Lined Channels	Encroachments		A			°	6
4	Structures & Concrete Lined Channels	Revetments		A			°	10
5	Structures & Concrete Lined Channels	Sluice/Slide Gates		A			°	4
6	Structures & Concrete Lined Channels	Electric Gate Operators		A			°	2
7	Structures & Concrete Lined Channels	Concrete Surfaces		A			°	3
8	Structures & Concrete Lined Channels	Concrete Foundations		A		37.204817 ° -120.697035 °	Y	1
9	Structures & Concrete Lined Channels	Other Metallic Items		A			°	5
10	Structures & Concrete Lined Channels	Monolith Joints		A			°	7

*** Location**

LS : Land Side
 WS : Water Side
 CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing C : Corrected
 M : Minimally Acceptable CO : Completely Obstructing
 U : Unacceptable N : Not Inspected

Flood Control Project Maintenance Inspection Report - Structure 2008

Lower San Joaquin Levee District

Structure	Inspection Date	Inspector
Eastside Bypass Control Structure	08/19/2008	Richard Willoughby

Report Line	2
Location	
Category	Pump Stations
Item	Motors, Engines, Fans & Gear Reducers

Looking at motors and gates on the upstream side of the structure



Report Line	8
Location	
Category	Structures & Concrete Lined Channels
Item	Concrete Foundations

Looking at the downstream side of the structure.



Report Line	8
Location	
Category	Structures & Concrete Lined Channels
Item	Concrete Foundations

Looking at upstream side of the structure



* Location

LS : Land Side
WS : Water Side
CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected
C : Corrected

Flood Control Project Maintenance

Unit Cover Sheet

2008 Structure Inspection Results

Lower San Joaquin Levee District

Structure
Eastside Bypass Drop Structure No. 1

Date of Inspection	8/19/2008
DWR Inspector	Richard Willoughby
Structure Rating	A

Flood Control Project Maintenance

Inspection Report - Structure 2008

Lower San Joaquin Levee District

Structure	Inspection Date	Inspector
Eastside Bypass Drop Structure No. 1	08/19/2008	Richard Willoughby

Rpt Line	Category	Item	Location *	Rating **	Comment	GPS	Photo	Issue
1	Structures & Concrete Lined Channels	Vegetation & Obstructions		A			°	5
2	Structures & Concrete Lined Channels	Encroachments		A			°	4
3	Structures & Concrete Lined Channels	Revetments		A			°	3
4	Structures & Concrete Lined Channels	Concrete Tilting / Settlement		A			°	2
5	Structures & Concrete Lined Channels	Concrete Foundations		A		36.975197 ° -120.382073 °	Y	1
6	Structures & Concrete Lined Channels	Monolith Joints		A			°	6

* Location

LS : Land Side
WS : Water Side
CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected
C : Corrected

Flood Control Project Maintenance
Inspection Report - Structure 2008

Lower San Joaquin Levee District

Structure	Inspection Date	Inspector
Eastside Bypass Drop Structure No. 1	08/19/2008	Richard Willoughby

Report Line	5
Location	
Category	Structures & Concrete Lined Channels
Item	Concrete Foundations

Looking at the upstream side of the structure



Report Line	5
Location	
Category	Structures & Concrete Lined Channels
Item	Concrete Foundations

Looking at the downstream side of the structure.



*** Location**

LS : Land Side
 WS : Water Side
 CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing C : Corrected
 M : Minimally Acceptable CO : Completely Obstructing
 U : Unacceptable N : Not Inspected

Flood Control Project Maintenance

Unit Cover Sheet

2008 Structure Inspection Results

Lower San Joaquin Levee District

Structure
Eastside Bypass Drop Structure No. 2

Date of Inspection	8/19/2008
DWR Inspector	Richard Willoughby
Structure Rating	A

Flood Control Project Maintenance

Inspection Report - Structure 2008

Lower San Joaquin Levee District

Structure	Inspection Date	Inspector
Eastside Bypass Drop Structure No. 2	08/19/2008	Richard Willoughby

Rpt Line	Category	Item	Location *	Rating **	Comment	GPS	Photo	Issue
1	Structures & Concrete Lined Channels	Vegetation & Obstructions		A			°	5
2	Structures & Concrete Lined Channels	Encroachments		A			°	4
3	Structures & Concrete Lined Channels	Revetments		A			°	3
4	Structures & Concrete Lined Channels	Concrete Tilting / Settlement		A			°	2
5	Structures & Concrete Lined Channels	Concrete Foundations		A		36.976195 ° -120.374822 °	Y	1
6	Structures & Concrete Lined Channels	Monolith Joints		A			°	6

* Location

LS : Land Side
WS : Water Side
CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected
C : Corrected

Flood Control Project Maintenance
Inspection Report - Structure 2008

Lower San Joaquin Levee District

Structure	Inspection Date	Inspector
Eastside Bypass Drop Structure No. 2	08/19/2008	Richard Willoughby

Report Line	5
Location	
Category	Structures & Concrete Lined Channels
Item	Concrete Foundations

Looking at downstream side of the structure



Report Line	5
Location	
Category	Structures & Concrete Lined Channels
Item	Concrete Foundations

Looking at the upstream side of the structure



*** Location**

LS : Land Side
 WS : Water Side
 CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing C : Corrected
 M : Minimally Acceptable CO : Completely Obstructing
 U : Unacceptable N : Not Inspected

Flood Control Project Maintenance

Unit Cover Sheet

2008 Structure Inspection Results

Lower San Joaquin Levee District

Structure
Fresno River Drainage Structure

Date of Inspection	8/19/2008
DWR Inspector	Richard Willoughby
Structure Rating	A

Flood Control Project Maintenance

Inspection Report - Structure 2008

Lower San Joaquin Levee District

Structure						Inspection Date	Inspector	
Fresno River Drainage Structure						08/19/2008	Richard Willoughby	
Rpt Line	Category	Item	Location *	Rating **	Comment	GPS	Photo	Issue
1	Structures & Concrete Lined Channels	Vegetation & Obstructions		M	Remove tumble weeds from pipe inlets.		°	Y 7
2	Structures & Concrete Lined Channels	Encroachments		A			°	6
3	Structures & Concrete Lined Channels	Revetments		A			°	5
4	Structures & Concrete Lined Channels	Culverts: Inlets / Outlets		A			°	2
5	Structures & Concrete Lined Channels	Flap Gates		A			°	Y 3
6	Structures & Concrete Lined Channels	Manual Operations		M	Screw gate control wheel are missing and broke. Need to repair or replace gate control wheel.		°	Y 4
7	Structures & Concrete Lined Channels	Concrete Foundations		A		36.975402 ° -120.359598 °		1

* Location

LS : Land Side
WS : Water Side
CR : Crown

** Rating

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PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected
C : Corrected

Flood Control Project Maintenance
Inspection Report - Structure 2008

Lower San Joaquin Levee District

Structure	Inspection Date	Inspector
Fresno River Drainage Structure	08/19/2008	Richard Willoughby

Report Line	1
Location	
Category	Structures & Concrete Lined Channels
Item	Vegetation & Obstructions

Looking at pipe inlet blocked with tumble weeds.



Report Line	5
Location	
Category	Structures & Concrete Lined Channels
Item	Flap Gates

Looking at flap gates in good operating conditions.



Report Line	6
Location	
Category	Structures & Concrete Lined Channels
Item	Manual Operations

Looking at broken and missing screw gate wheels.



*** Location**

LS : Land Side
 WS : Water Side
 CR : Crown

**** Rating**

A : Acceptable
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 U : Unacceptable

PO : Partially Obstructing
 CO : Completely Obstructing
 N : Not Inspected

C : Corrected

Flood Control Project Maintenance

Unit Cover Sheet

2008 Structure Inspection Results

Lower San Joaquin Levee District

Structure
Mariposa Bypass Control Structure

Date of Inspection	8/19/2008
DWR Inspector	Richard Willoughby
Structure Rating	A

Flood Control Project Maintenance
Inspection Report - Structure 2008

Lower San Joaquin Levee District

Structure	Inspection Date	Inspector
Mariposa Bypass Control Structure	08/19/2008	Richard Willoughby

Rpt Line	Category	Item	Location *	Rating **	Comment	GPS	Photo	Issue
1	Pump Stations	Motors, Engines, Fans & Gear Reducers			Electrical equipment in good conditions.		° Y	3
2	Structures & Concrete Lined Channels	Vegetation & Obstructions		A			°	4
3	Structures & Concrete Lined Channels	Revetments		M	Need spray and control vegetation growth downstream side of the structure.		° Y	5
4	Structures & Concrete Lined Channels	Electric Gate Operators		A			°	6
5	Structures & Concrete Lined Channels	Concrete Surfaces		A			°	2
6	Structures & Concrete Lined Channels	Concrete Foundations		A		37.201922 ° -120.694810 °	° Y	1
7	Structures & Concrete Lined Channels	Closure Structures		A			°	7
8	Structures & Concrete Lined Channels	Other Metallic Items		A			°	8
9	Structures & Concrete Lined Channels	Monolith Joints		A			°	9

*** Location**

LS : Land Side
 WS : Water Side
 CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing C : Corrected
 M : Minimally Acceptable CO : Completely Obstructing
 U : Unacceptable N : Not Inspected

Flood Control Project Maintenance
Inspection Report - Structure 2008

Lower San Joaquin Levee District

Structure	Inspection Date	Inspector
Mariposa Bypass Control Structure	08/19/2008	Richard Willoughby

Report Line	1
Location	
Category	Pump Stations
Item	Motors, Engines, Fans & Gear Reducers
Looking at electrical equipment on upstream side of the structure.	



Report Line	3
Location	
Category	Structures & Concrete Lined Channels
Item	Revetments
Looking at vegetation growth on the revetment on the upstream side of the structure	



Report Line	6
Location	
Category	Structures & Concrete Lined Channels
Item	Concrete Foundations
Looking at upstream side of the structure.	

*** Location**

LS : Land Side
 WS : Water Side
 CR : Crown

**** Rating**

A : Acceptable
 M : Minimally Acceptable
 U : Unacceptable

PO : Partially Obstructing
 CO : Completely Obstructing
 N : Not Inspected

C : Corrected

Flood Control Project Maintenance
Inspection Report - Structure 2008

Lower San Joaquin Levee District

Structure	Inspection Date	Inspector
Mariposa Bypass Control Structure	08/19/2008	Richard Willoughby

Report Line	6
Location	
Category	Structures & Concrete Lined Channels
Item	Concrete Foundations

Looking at the downstream side of the structure



*** Location**

LS : Land Side
 WS : Water Side
 CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing C : Corrected
 M : Minimally Acceptable CO : Completely Obstructing
 U : Unacceptable N : Not Inspected

Flood Control Project Maintenance

Unit Cover Sheet

2008 Structure Inspection Results

Lower San Joaquin Levee District

Structure
Mariposa Bypass Drop Structure

Date of Inspection	8/19/2008
DWR Inspector	Richard Willoughby
Structure Rating	A

Flood Control Project Maintenance

Inspection Report - Structure 2008

Lower San Joaquin Levee District

Structure	Inspection Date	Inspector
Mariposa Bypass Drop Structure	08/19/2008	Richard Willoughby

Rpt Line	Category	Item	Location *	Rating **	Comment	GPS	Photo	Issue
1	Structures & Concrete Lined Channels	Vegetation & Obstructions		A			°	4
2	Structures & Concrete Lined Channels	Encroachments		A			°	3
3	Structures & Concrete Lined Channels	Concrete Surfaces		A			°	5
4	Structures & Concrete Lined Channels	Concrete Foundations		A		37.202181 ° -120.755237 °	Y	1
5	Structures & Concrete Lined Channels	Monolith Joints		A	Need to monitor joint for movement		°	2

* Location

LS : Land Side
WS : Water Side
CR : Crown

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Flood Control Project Maintenance
Inspection Report - Structure 2008

Lower San Joaquin Levee District

Structure	Inspection Date	Inspector
Mariposa Bypass Drop Structure	08/19/2008	Richard Willoughby

Report Line	4
Location	
Category	Structures & Concrete Lined Channels
Item	Concrete Foundations

Looking at upstream side of the structure



Report Line	5
Location	
Category	Structures & Concrete Lined Channels
Item	Monolith Joints

Looking at left bank wing wall monolith joint



*** Location**

LS : Land Side
 WS : Water Side
 CR : Crown

**** Rating**

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 M : Minimally Acceptable CO : Completely Obstructing
 U : Unacceptable N : Not Inspected

Flood Control Project Maintenance

Unit Cover Sheet

2008 Structure Inspection Results

Lower San Joaquin Levee District

Structure
Owens Creek Control Structure

Date of Inspection	8/19/2008
DWR Inspector	Richard Willoughby
Structure Rating	A

Flood Control Project Maintenance

Inspection Report - Structure 2008

Lower San Joaquin Levee District

Structure	Inspection Date	Inspector
Owens Creek Control Structure	08/19/2008	Richard Willoughby

Rpt Line	Category	Item	Location *	Rating **	Comment	GPS	Photo	Issue
1	Structures & Concrete Lined Channels	Vegetation & Obstructions		A	Control vegetation on the upstream side of the structure.		° Y	1
2	Structures & Concrete Lined Channels	Encroachments		A			°	2
3	Structures & Concrete Lined Channels	Concrete Surfaces		U	Downstream side north wing wall is badly damage and should be replace.		° Y	3
4	Structures & Concrete Lined Channels	Concrete Foundations		A	This structure was in existence prior to the construction of the project and is a part of the LSJLD, but is operated by Steveson Water Irrigation District formerly the Eastside Canal Company.		° Y	4
5	Structures & Concrete Lined Channels	Closure Structures		A			°	5

* Location

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Flood Control Project Maintenance
Inspection Report - Structure 2008

Lower San Joaquin Levee District

Structure	Inspection Date	Inspector
Owens Creek Control Structure	08/19/2008	Richard Willoughby

Report Line	1
Location	
Category	Structures & Concrete Lined Channels
Item	Vegetation & Obstructions

Looking at vegetation on upstream side of the structure



Report Line	3
Location	
Category	Structures & Concrete Lined Channels
Item	Concrete Surfaces

Looking at damage wing wall on the left bank of the downstream side of the structure



Report Line	3
Location	
Category	Structures & Concrete Lined Channels
Item	Concrete Surfaces

Looking at cracks on the right bank on the upstream side of the structure



*** Location**

LS : Land Side
 WS : Water Side
 CR : Crown

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Flood Control Project Maintenance
Inspection Report - Structure 2008

Lower San Joaquin Levee District

Structure	Inspection Date	Inspector
Owens Creek Control Structure	08/19/2008	Richard Willoughby

Report Line	4
Location	
Category	Structures & Concrete Lined Channels
Item	Concrete Foundations

Looking at the upstream side of the structure from the left bank.



Report Line	4
Location	
Category	Structures & Concrete Lined Channels
Item	Concrete Foundations

Looking at downstream side of the structure.



*** Location**

LS : Land Side
 WS : Water Side
 CR : Crown

**** Rating**

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 M : Minimally Acceptable CO : Completely Obstructing
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Flood Control Project Maintenance

Unit Cover Sheet

2008 Structure Inspection Results

Lower San Joaquin Levee District

Structure
Owens Creek Overflow Structure

Date of Inspection	8/19/2008
DWR Inspector	Richard Willoughby
Structure Rating	A

Flood Control Project Maintenance
Inspection Report - Structure 2008

Lower San Joaquin Levee District

Structure	Inspection Date	Inspector
Owens Creek Overflow Structure	08/19/2008	Richard Willoughby

Rpt Line	Category	Item	Location *	Rating **	Comment	GPS	Photo	Issue
1	Structures & Concrete Lined Channels	Vegetation & Obstructions		A			°	4
2	Structures & Concrete Lined Channels	Revetments		M	Control vegetation growth at the discharge side of the structure.		° Y	5
3	Structures & Concrete Lined Channels	Culverts: Inlets / Outlets		A			° Y	2
4	Structures & Concrete Lined Channels	Concrete Surfaces		A			°	3
5	Structures & Concrete Lined Channels	Concrete Foundations		A		37.205781 ° -120.696850 °	° Y	1

*** Location**

LS : Land Side
 WS : Water Side
 CR : Crown

**** Rating**

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 M : Minimally Acceptable CO : Completely Obstructing
 U : Unacceptable N : Not Inspected

Flood Control Project Maintenance
Inspection Report - Structure 2008

Lower San Joaquin Levee District

Structure	Inspection Date	Inspector
Owens Creek Overflow Structure	08/19/2008	Richard Willoughby

Report Line	2
Location	
Category	Structures & Concrete Lined Channels
Item	Revetments

Looking at vegetation on the discharge side of the structure.



Report Line	3
Location	
Category	Structures & Concrete Lined Channels
Item	Culverts: Inlets / Outlets

View of the two 72 inch slide gates on the inlet side of the structure in good working condition.



Report Line	5
Location	
Category	Structures & Concrete Lined Channels
Item	Concrete Foundations

Looking at the discharge side of the structure into the Eastside Bypass.



*** Location**

LS : Land Side
 WS : Water Side
 CR : Crown

**** Rating**

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 CO : Completely Obstructing
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Flood Control Project Maintenance

Unit Cover Sheet

2008 Structure Inspection Results

Lower San Joaquin Levee District

Structure
San Joaquin River And Chowchilla Canal Bypass Control Structure

Date of Inspection	8/19/2008
DWR Inspector	Richard Willoughby
Structure Rating	A

Flood Control Project Maintenance
Inspection Report - Structure 2008

Lower San Joaquin Levee District

Structure	Inspection Date	Inspector
San Joaquin River And Chowchilla Canal Bypass Control Structure	08/19/2008	Richard Willoughby

Rpt Line	Category	Item	Location *	Rating **	Comment	GPS	Photo	Issue
1	Pump Stations	Motors, Engines, Fans & Gear Reducers					°	9
2	Structures & Concrete Lined Channels	Vegetation & Obstructions		A			°	11
3	Structures & Concrete Lined Channels	Vegetation & Obstructions		A			°	2
4	Structures & Concrete Lined Channels	Vegetation & Obstructions		A			° Y	6
5	Structures & Concrete Lined Channels	Encroachments		A			°	3
6	Structures & Concrete Lined Channels	Encroachments		A			°	12
7	Structures & Concrete Lined Channels	Revetments		A			°	4
8	Structures & Concrete Lined Channels	Sluice/Slide Gates		A			°	5
9	Structures & Concrete Lined Channels	Sluice/Slide Gates		A			°	14
10	Structures & Concrete Lined Channels	Electric Gate Operators		A			° Y	13
11	Structures & Concrete Lined Channels	Concrete Surfaces		A			°	15
12	Structures & Concrete Lined Channels	Concrete Surfaces		A			°	7
13	Structures & Concrete Lined Channels	Concrete Tilting / Settlement		A			°	8

*** Location**

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 WS : Water Side
 CR : Crown

**** Rating**

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 U : Unacceptable N : Not Inspected

Flood Control Project Maintenance
Inspection Report - Structure 2008

Lower San Joaquin Levee District

Structure	Inspection Date	Inspector
San Joaquin River And Chowchilla Canal Bypass Control Structure	08/19/2008	Richard Willoughby

Rpt Line	Category	Item	Location *	Rating **	Comment	GPS	Photo	Issue
14	Structures & Concrete Lined Channels	Concrete Foundations		A	San Joaquin Structure	36.773334 ° -120.285210 °	Y	1
15	Structures & Concrete Lined Channels	Concrete Foundations		A	Chowchilla Canal Bypass Structure	36.773967 ° -120.284425 °	Y	10
16	Structures & Concrete Lined Channels	Monolith Joints		A			° °	16

*** Location**

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 WS : Water Side
 CR : Crown

**** Rating**

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Flood Control Project Maintenance
Inspection Report - Structure 2008

Lower San Joaquin Levee District

Structure	Inspection Date	Inspector
San Joaquin River And Chowchilla Canal Bypass Control Structure	08/19/2008	Richard Willoughby

Report Line	4
Location	
Category	Structures & Concrete Lined Channels
Item	Vegetation & Obstructions

Looking at motors and gates on the downstream of the structure.



Report Line	10
Location	
Category	Structures & Concrete Lined Channels
Item	Electric Gate Operators

Looking at electric gates and motors.



Report Line	14
Location	
Category	Structures & Concrete Lined Channels
Item	Concrete Foundations

Looking at the upstream side of the San Joaquin River structure



*** Location**

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 WS : Water Side
 CR : Crown

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Flood Control Project Maintenance
Inspection Report - Structure 2008

Lower San Joaquin Levee District

Structure	Inspection Date	Inspector
San Joaquin River And Chowchilla Canal Bypass Control Structure	08/19/2008	Richard Willoughby

Report Line	14
Location	
Category	Structures & Concrete Lined Channels
Item	Concrete Foundations

Looking at the downstream side of the structure.



Report Line	15
Location	
Category	Structures & Concrete Lined Channels
Item	Concrete Foundations

Looking at the upstream side of the structure



Report Line	15
Location	
Category	Structures & Concrete Lined Channels
Item	Concrete Foundations

Looking at the discharge side of the structure



*** Location**

LS : Land Side
 WS : Water Side
 CR : Crown

**** Rating**

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 U : Unacceptable N : Not Inspected

Flood Control Project Maintenance

Unit Cover Sheet

2008 Structure Inspection Results

Lower San Joaquin Levee District

Structure
San Joaquin River Structure And Sand Slough Structure

Date of Inspection	8/19/2008
DWR Inspector	Richard Willoughby
Structure Rating	A

Flood Control Project Maintenance

Inspection Report - Structure 2008

Lower San Joaquin Levee District

Structure	Inspection Date	Inspector
San Joaquin River Structure And Sand Slough Structure	08/19/2008	Richard Willoughby

Rpt Line	Category	Item	Location *	Rating **	Comment	GPS	Photo	Issue
1	Structures & Concrete Lined Channels	Vegetation & Obstructions		M	Need to control wild growth on inlet side of the structure		° Y	8
2	Structures & Concrete Lined Channels	Vegetation & Obstructions		A			°	3
3	Structures & Concrete Lined Channels	Encroachments		A			°	9
4	Structures & Concrete Lined Channels	Encroachments		A			°	4
5	Structures & Concrete Lined Channels	Revetments		A			°	2
6	Structures & Concrete Lined Channels	Manual Operations		A			° Y	6
7	Structures & Concrete Lined Channels	Concrete Surfaces		A			°	7
8	Structures & Concrete Lined Channels	Concrete Foundations		A	San Joaquin Structure	37.112333 ° -120.589584 °		5
9	Structures & Concrete Lined Channels	Concrete Foundations		A	Sand Slough Structure	37.112570 ° -120.588940 °	Y	1

* Location

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WS : Water Side
CR : Crown

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N : Not Inspected
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Flood Control Project Maintenance
Inspection Report - Structure 2008

Lower San Joaquin Levee District

Structure	Inspection Date	Inspector
San Joaquin River Structure And Sand Slough Structure	08/19/2008	Richard Willoughby

Report Line	1
Location	
Category	Structures & Concrete Lined Channels
Item	Vegetation & Obstructions

Looking at vegetation in channel on the inlet side of the structure.



Report Line	6
Location	
Category	Structures & Concrete Lined Channels
Item	Manual Operations

Looking at the manual gates on the outlet side of the structure.



Report Line	9
Location	
Category	Structures & Concrete Lined Channels
Item	Concrete Foundations

Looking at overview of the structure from right bank



*** Location**

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 WS : Water Side
 CR : Crown

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Flood Control Project Maintenance
Inspection Report - Structure 2008

Lower San Joaquin Levee District

Structure	Inspection Date	Inspector
San Joaquin River Structure And Sand Slough Structure	08/19/2008	Richard Willoughby

Report Line	9
Location	
Category	Structures & Concrete Lined Channels
Item	Concrete Foundations

Looking at the downstream side of the structure



Report Line	9
Location	
Category	Structures & Concrete Lined Channels
Item	Concrete Foundations

Looking at the structure from the left bank



*** Location**

LS : Land Side
 WS : Water Side
 CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing C : Corrected
 M : Minimally Acceptable CO : Completely Obstructing
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